

January 12, 2015

IESI PA Bethlehem Landfill  
c/o Mr. Sam Donato, Landfill Manager  
2335 Applebutter Road  
Bethlehem, PA 18015

Re: Engineer's Monthly Status Report  
IESI PA Bethlehem Landfill  
Lower Saucon Township, Northampton County  
I.D. No. 100020

Dear Mr. Donato:

This Engineer's Status Report is for the month of December, 2014. The Engineer's meeting was held at the landfill on Thursday, January 8. This Report is informational only, without deadlines, and a response is required only if objections are taken to the items mentioned.

**A. Pending Permit Applications**

- 1. Nothing pending at this time.

**B. Construction Schedule**

- 1. Cell 4E, Stage 1/Cell 4D, Stage 2, interface area was being filled at the time of my visit. Average amount of waste accepted is approximately 1200 tons per day.

**C. Groundwater**

- 1. Monitoring Wells: Total number of wells = 29
- 2. Abatement Wells: Total number of active wells = 10

**D. Gas Management**

- 1. There are 140 vertical gas wells and 40 horizontal collectors in operation.

**E. Leachate Management**

- 1. The flare was operating at approximately 1370 scfm and 1650°F on the morning of my visit.
- 2. Average daily leachate flow for December was 35,139 gallons. Total leachate generated for the month was 1,159,585 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

ROUTING

- Council
- Manager
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

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Northeast Regional Office

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Mr. Sam Donato

January 12, 2015

**F. Site Observations**

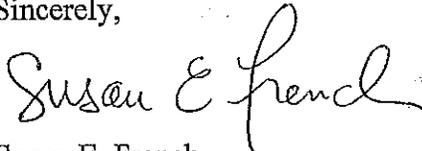
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit. A light gas odor was noticed upon entering the property, near the office. A crew working the day before above the office detected a few areas to be repaired but due to muddiness of the hillside, the work had not been done yet. It will be followed up as soon as possible.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

**G. Miscellaneous:**

Enclosed as part of this report is the monthly Engineer's Report from IESI Landfill for December, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.

If you have any questions concerning this report, please contact me.

Sincerely,



Susan E. French  
Waste Management Program

Enclosure

cc: Allen Schleyer, IESI PA Bethlehem Landfill (w/enc.)  
Lower Saucon Township (w/enc.)  
James B. Birdsall, P.E., Hanover Engineering (w/enc.)  
Chris Taylor, Hanover Engineering (w/enc.)  
Kevin N. Bodner, Martin and Martin, Inc. (w/enc.)

**PADEP ENGINEER'S REPORT**  
**December 2014**

Date: January 8, 2015

1.	Site Operations:		
a.	Average Daily Volume		1375
b.	Maximum Daily Volume		1800
c.	Permitted Area		201
d.	Permitted Disposal area		127.5
e.	Capped acres		71.8
f.	Constructed acres		82.7
2.	Radiation Monitoring: <b>December</b>		1
a.	Number of trucks that tripped the monitor		
b.	Number of trucks <b>on hold</b> or rejected		0
3.	Truck Safety & Overweight: <b>December</b>		
a.	Number of Overweight Trucks		33
b.	Number of Trucks Rejected Due To Overweight		0
4.	Leachate Management:		
a.	Type of Discharge	Direct to WWTP	
b.	Total Leachate Generated <b>December</b> gal.		1,159,585
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		35,139
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) <b>December</b>		
	LMC-6 - (43) LMC-7 - (33) LMC-8 - (645) PS-1 - (2) PS-2 - (<1) PS-3 - (<1)		
5.	Leachate Storage:		
a.	Total Influent Storage Capacity		1,490,000
b.	25% Influent Storage Capacity		372,500
c.	Current Volume Stored <b>est. 20% Stormwater for Dust Control</b>		
6.	Gas Management - .		
a.	Number of vertical wells (LFG extraction wells and cleanouts)		140
b.	Number of horizontal wells		40
7.	Groundwater		
a.	Number of monitoring wells		29
b.	Abatement wells (TW-1 shut off per DEP approval)		10
8.	Reports Submitted:		
	Groundwater	Abatement report	12/19/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	Quarterly Report due	1/20/15
	Quarterly	4Q14 Facility Report	1/20/15
	Other	Form U App. To P. Jarecki	electronic submittal